



PATENT  
P-5759

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Helen Strekalova et al.

Serial No.: 10/645,930

Art Unit:

Filed: August 22, 2003

Examiner:

For: METHODS FOR DIAGNOSING DEMENTIA-RELATED  
NEUROLOGICAL DISORDERS

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION AFTER FILING OF AN APPLICATION  
BUT BEFORE FINAL REJECTION OR NOTICE OF ALLOWANCE  
OR CONCURRENTLY WITH A RULE 53(d) CPA APPLICATION  
OR WITH A RULE 1.114 RCE APPLICATION)

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO/SB/08A(s), attached hereto.

II. COPIES (check at least one box)

- a. ☒ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. ☐ Some or all of the documents listed on the PTO/SB/08A are not enclosed because they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☐ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

IV. ☐ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b):  
(check one box)

- a. ☐ within three months of the filing date of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is required. (This section is not to be used with RCE's and CPA's).
- b. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or statement is required.
- c. ☐ concurrently with the filing of a Continued Prosecution Application under 37 C.F.R. § 1.53(d) or concurrently with the filing of a Request for Continued Examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.
- d. ☒ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required.  
In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) below, or, if no statement has been made, charge our deposit account in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

V. ☐ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):  
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before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)).

- a. ☐ No statement; therefore, a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
- or
- b. ☐ See the statement below. No fee is required.

VI. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a. ☐ each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. ☒ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.
- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

VII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p) is enclosed for the above-identified fee.
- ☐ Please charge Deposit Account No. 02-1666 in the amount required by 37 C.F.R. § 1.17(p) for the above-indicated fee. A triplicate copy of this paper is attached.
- ☒ No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-1666.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-1666 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

By *Jacinda Wagner*  
Jacinda Wagner, Reg. No. 42,207

Date: November 24, 2003

Becton, Dickinson and Company  
1 Becton Drive, MC 089  
Franklin Lakes, New Jersey 07417  
(201) 847-6659

Enclosures: ☒ PTO/SB/08A  
☒ Documents  
☐ Foreign Search Report  
☐ Fee  
☐ Other:

(Rev. 01/03/03)

Doc. No. 72468

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BY: SUSAN R. WAGNER	
<u><i>Susan R. Wagner</i></u> (SIGNATURE)	<u>11/25/03</u> (DATE)



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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*(Use as many sheets as necessary)*

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Application Number	10/645,930
Filing Date	August 22, 2003
First Named Inventor	Helen Strekalova et al.
Art Unit	
Examiner Name	
Attorney Docket Number	P-5759

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## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

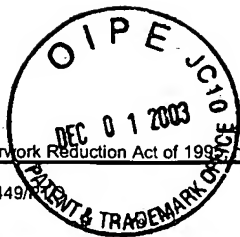
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Art Unit	
Examiner Name	
Attorney Docket Number	P-5759

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### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		MASSARO, et al., "Cerebrospinal Fluid Markers in Multiple Sclerosis: An Overview", Multiple Sclerosis, (1998), 1-4, 4.	
		POLTORAK et al., "Disturbances in Cell Recognition Molecules (N-CAM and L1 antigen) in the CSF of Patients with Schizophrenia", Exp. Neurol., (1995), 266-72, 131:2.	
		POLTORAK et al., "Increased Neural Cell Adhesion Molecule in the CSF of Patients with Mood Disorder", J. Neurochem., (1996), 1532-8, 66:4.	
		POLTORAK et al., "Monozygotic twins discordant for schizophrenia are discordant for N-CAM and L1 in CSF", Brain Res., (1997), 152-4, 751:1.	
		VAN KAMMEN et al., "Further Studies of Elevated Cerebrospinal Fluid Neuronal Cell Adhesion Molecule in Schizophrenia", Biol. Psychiatry., (1998), 680-6, 43:9.	
		VAWTER et al., "Abnormal Expression of Cell Recognition Molecules in Schizophrenia", Exp. Neurol., (1998), 424-32, 149:2.	
		VAWTER et al., "CSF N-CAM in neuroleptic-naive first-episode patients with schizophrenia", Schizophr. Res., (1998), 123-31, 34:3.	
		VAWTER et al., "VASE-Containing N-CAM Isoforms Are Increased in the Hippocampus in Bipolar Disorder but Not Schizophrenia", Exp. Neurol., (1998), 1-11, 154:1.	
		VAWTER et al., "Elevated concentration of N-CAM VASE isoforms in schizophrenia", J. Psychiatr. Res., (2000), 25-34, 34:1.	
		VAWTER et al., "Characterization of Human Cleaved N-Cam and Association With Schizophrenia", Exp. Neurol., (2001), 29-46, 172:1.	

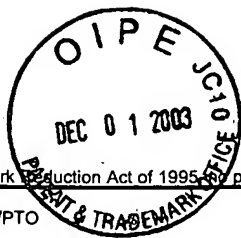
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**INFORMATION DISCLOSURE  
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Filing Date	August 22, 2003
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Examiner Name	
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		VAWTER, "Dysregulation of the Neural Cell Adhesion Molecule and Neuropsychiatric Disorders", Eur. J. Pharmacol., (2000), 385-395, 405:1-3.	
		VAWTER et al., "Alterations of Hippocampal Secreted N-Cam in Bipolar Disorder and Synaptophysin in Schizophrenia", Molecular Psychiatry, (1999), 467-475, 4:5.	

Examiner Signature	Date Considered
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